



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/618,126
Source: OLP
Date Processed by STIC: 7/28/2003

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PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
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Revised 04/24/2003



OIPF

RAW SEQUENCE LISTING

DATE: 07/28/2003

PATENT APPLICATION: US/10/618,126

TIME: 13:36:19

Input Set : A:\MSB-7295.ST25.txt

Output Set: N:\CRF4\07282003\J618126.raw

3 <110> APPLICANT: Bayer Pharmaceuticals Corporation
 4 FROLAND, Wayne
 5 KELNER, Drew
 6 DUMAS, Michael
 7 PAN, Clark
 8 WHELAN, James
 9 WANG, John
 10 WANG, Wei
 12 <120> TITLE OF INVENTION: PITUITARY ADENYLATE CYCLASE ACTIVATING PEPTIDE (PACAP)
 RECEPTOR 3
 13 (VPAC2) AGONISTS AND THEIR PHARMACOLOGICAL METHODS OF USE
 15 <130> FILE REFERENCE: MSB-7295
 17 <140> CURRENT APPLICATION NUMBER: US/10/618,126
 17 <141> CURRENT FILING DATE: 2003-07-11
 17 <150> PRIOR APPLICATION NUMBER: US 60/395,738
 18 <151> PRIOR FILING DATE: 2002-07-12
 20 <160> NUMBER OF SEQ ID NOS: 264
 22 <170> SOFTWARE: PatentIn version 3.2

ERRORED SEQUENCES

39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 31
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Homo sapiens
 45 <220> FEATURE:
 46 <221> NAME/KEY: MISC_FEATURE
 47 <222> LOCATION: (1)..(31)
 48 <223> OTHER INFORMATION: Ac is acetyl
 50 <400> SEQUENCE: 2
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 E--> 53 1 5 10 15
 56 Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Tyr
 57 20 25 30
 615 <210> SEQ ID NO: 40
 616 <211> LENGTH: 31
 617 <212> TYPE: PRT
 618 <213> ORGANISM: Homo sapiens
 621 <220> FEATURE:
 622 <221> NAME/KEY: MISC_FEATURE
 623 <222> LOCATION: (1)..(31)
 624 <223> OTHER INFORMATION: Ac is acetyl
 626 <400> SEQUENCE: 40

Does Not Comply
 Corrected Diskette Needed

pp 1-7

delete this - do not show these
 in the sequence.

Please explain
 modification
 in 22207-22237
 section without
 including "Ac"

p.2

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Input Set : A:\MSB-7295.ST25.txt

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E--> 628 Ac-His Thr Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
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632 Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Tyr
633      20          25          30
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1193 <212> TYPE: PRT
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1198 <221> NAME/KEY: MISC_FEATURE
1199 <222> LOCATION: (1)..(31)
1200 <223> OTHER INFORMATION: Ac is acetyl
1202 <400> SEQUENCE: 78
E--> 1204 Ac-His Thr Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
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1208 Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Asn Lys Arg Tyr
1209      20          25          30
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1753 <211> LENGTH: 32
1754 <212> TYPE: PRT
1755 <213> ORGANISM: Homo sapiens
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1759 <221> NAME/KEY: MISC_FEATURE
1760 <222> LOCATION: (1)..(32)
1761 <223> OTHER INFORMATION: PEG is polyethylene glycol
1763 <400> SEQUENCE: 115
1765 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
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1770      20          25          30
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1775 <212> TYPE: PRT
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1779 <220> FEATURE:
1780 <221> NAME/KEY: MISC_FEATURE
1781 <222> LOCATION: (1)..(32)
1782 <223> OTHER INFORMATION: Ac is acetyl; PEG is polyethylene glycol
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E--> 1786 Ac-His Thr Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
E--> 1787      1          5          10          15
E--> 1790 Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Tyr Cys-PEG
1791      20          25          30
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1795 <211> LENGTH: 32
1796 <212> TYPE: PRT
1797 <213> ORGANISM: Homo sapiens
1800 <220> FEATURE:
1801 <221> NAME/KEY: MISC_FEATURE

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*same
type of
error*

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Input Set : A:\MSB-7295.ST25.txt

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1802 <222> LOCATION: (1)..(32)
 1803 <223> OTHER INFORMATION: PEG is polyethylene glycol
 1805 <400> SEQUENCE: 117
 1807 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
 1808 1 5 10 15
 E--> 1811 Met Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Tyr Cys-PEG
 1812 20 25 30
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 1816 <211> LENGTH: 30
 1817 <212> TYPE: PRT
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 1822 <221> NAME/KEY: MISC_FEATURE
 1823 <222> LOCATION: (1)..(30)
 1824 <223> OTHER INFORMATION: PEG is polyethylene glycol
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 1828 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
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 E--> 1832 Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Cys-PEG
 1833 20 25 30
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 1838 <212> TYPE: PRT
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 1843 <221> NAME/KEY: MISC_FEATURE
 1844 <222> LOCATION: (1)..(32)
 1845 <223> OTHER INFORMATION: PEG is polyethylene glycol
 1847 <400> SEQUENCE: 119
 1849 His Thr Glu Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
 1850 1 5 10 15
 E--> 1853 Val Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Tyr Cys-PEG
 1854 20 25 30
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 1859 <212> TYPE: PRT
 1860 <213> ORGANISM: Homo sapiens
 1863 <220> FEATURE:
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 1865 <222> LOCATION: (1)..(32)
 1866 <223> OTHER INFORMATION: PEG is polyethylene glycol
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 1870 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
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 E--> 1874 Leu Ala Val Lys Lys Tyr Leu Gln Asp Ile Lys Gln Gly Gly Thr Cys-PEG
 1875 20 25 30
 1878 <210> SEQ ID NO: 121
 1879 <211> LENGTH: 31
 1880 <212> TYPE: PRT

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RAW SEQUENCE LISTING

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Input Set : A:\MSB-7295.ST25.txt

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1886 <222> LOCATION: (1)..(31)
1887 <223> OTHER INFORMATION: PEG is polyethylene glycol
1889 <400> SEQUENCE: 121
1891 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
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E--> 1895 Met Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Cys-PEG
1896 20 25 30
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1900 <211> LENGTH: 32
1901 <212> TYPE: PRT
1902 <213> ORGANISM: Homo sapiens
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1907 <222> LOCATION: (1)..(32)
1908 <223> OTHER INFORMATION: PEG is polyethylene glycol
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1912 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
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E--> 1916 Leu Ala Ala Lys Lys Tyr Leu Gln Thr Ile Lys Gln Lys Arg Tyr Cys-PEG
1917 20 25 30
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1921 <211> LENGTH: 32
1922 <212> TYPE: PRT
1923 <213> ORGANISM: Homo sapiens
1926 <220> FEATURE:
1927 <221> NAME/KEY: MISC_FEATURE
1928 <222> LOCATION: (1)..(32)
1929 <223> OTHER INFORMATION: PEG is polyethylene glycol
1931 <400> SEQUENCE: 123
1933 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
1934 1 5 10 15
E--> 1937 Met Ala Ala Lys Lys Tyr Leu Gln Thr Ile Lys Gln Lys Arg Tyr Cys-PEG
1938 20 25 30
1941 <210> SEQ ID NO: 124
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1943 <212> TYPE: PRT
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1947 <220> FEATURE:
1948 <221> NAME/KEY: MISC_FEATURE
1949 <222> LOCATION: (1)..(32)
1950 <223> OTHER INFORMATION: PEG is polyethylene glycol
1952 <400> SEQUENCE: 124
1954 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
1955 1 5 10 15
E--> 1958 Met Ala Ala His Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Tyr Cys-PEG
1959 20 25 30

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Input Set : A:\MSB-7295.ST25.txt

Output Set: N:\CRF4\07282003\J618126.raw

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1964 <212> TYPE: PRT
1965 <213> ORGANISM: Homo sapiens
1968 <220> FEATURE:
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1970 <222> LOCATION: (1)..(32)
1971 <223> OTHER INFORMATION: PEG is polyethylene glycol
1973 <400> SEQUENCE: 125
1975 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
1976 1 5 10 15
E--> 1979 Met Ala Ala Lys His Tyr Leu Gln Ser Ile Lys Gln Lys Arg Tyr Cys-PEG
1980 20 25 30
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1985 <212> TYPE: PRT
1986 <213> ORGANISM: Homo sapiens
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1991 <222> LOCATION: (1)..(31)
1992 <223> OTHER INFORMATION: PEG is polyethylene glycol
1994 <400> SEQUENCE: 126
1996 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
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E--> 2000 Met Ala Gly Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Cys-PEG
2001 20 25 30
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2005 <211> LENGTH: 31
2006 <212> TYPE: PRT
2007 <213> ORGANISM: Homo sapiens
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2012 <222> LOCATION: (1)..(31)
2013 <223> OTHER INFORMATION: PEG is polyethylene glycol
2015 <400> SEQUENCE: 127
2017 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
2018 1 5 10 15
E--> 2021 Met Ala Lys Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Cys-PEG
2022 20 25 30
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2026 <211> LENGTH: 31
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2031 <220> FEATURE:
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2033 <222> LOCATION: (1)..(31)
2034 <223> OTHER INFORMATION: PEG is polyethylene glycol
2036 <400> SEQUENCE: 128
2038 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln

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RAW SEQUENCE LISTING

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Input Set : A:\MSB-7295.ST25.txt

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2039 1 5 10 15
E--> 2042 Met Ala Arg Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Cys-PEG
2043 20 25 30
2046 <210> SEQ ID NO: 129
2047 <211> LENGTH: 31
2048 <212> TYPE: PRT
2049 <213> ORGANISM: Homo sapiens
2052 <220> FEATURE:
2053 <221> NAME/KEY: MISC_FEATURE
2054 <222> LOCATION: (1)..(31)
2055 <223> OTHER INFORMATION: PEG is polyethylene glycol
2057 <400> SEQUENCE: 129
2059 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
2060 1 5 10 15
E--> 2063 Met Ala Ser Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Arg Cys-PEG
2064 20 25 30
2067 <210> SEQ ID NO: 130
2068 <211> LENGTH: 31
2069 <212> TYPE: PRT
2070 <213> ORGANISM: Homo sapiens
2073 <220> FEATURE:
2074 <221> NAME/KEY: MISC_FEATURE
2075 <222> LOCATION: (1)..(31)
2076 <223> OTHER INFORMATION: PEG is polyethylene glycol
2078 <400> SEQUENCE: 130
2080 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
2081 1 5 10 15
E--> 2084 Met Ala Ala Lys Lys Tyr Leu Gln Ser Ile Pro Gln Lys Arg Cys-PEG
2085 20 25 30
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2089 <211> LENGTH: 31
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2091 <213> ORGANISM: Homo sapiens
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2096 <222> LOCATION: (1)..(31)
2097 <223> OTHER INFORMATION: PEG is polyethylene glycol
2099 <400> SEQUENCE: 131
2101 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
2102 1 5 10 15
E--> 2105 Met Ala Ala Lys Lys Tyr Leu Gln Ser Ile Gln Gln Lys Arg Cys-PEG
2106 20 25 30
2109 <210> SEQ ID NO: 132
2110 <211> LENGTH: 31
2111 <212> TYPE: PRT
2112 <213> ORGANISM: Homo sapiens
2115 <220> FEATURE:
2116 <221> NAME/KEY: MISC_FEATURE
2117 <222> LOCATION: (1)..(31)

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Input Set : A:\MSB-7295.ST25.txt

Output Set: N:\CRF4\07282003\J618126.raw

2118 <223> OTHER INFORMATION: PEG is polyethylene glycol
2120 <400> SEQUENCE: 132
2122 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
2123 1 5 10 15
E--> 2126 Met Ala Ala Lys Lys Tyr Leu Gln Ser Ile Arg Gln Lys Arg Cys-PEG
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2131 <211> LENGTH: 31
2132 <212> TYPE: PRT
2133 <213> ORGANISM: Homo sapiens
2136 <220> FEATURE:
2137 <221> NAME/KEY: MISC_FEATURE
2138 <222> LOCATION: (1)..(31)
2139 <223> OTHER INFORMATION: PEG is polyethylene glycol
2141 <400> SEQUENCE: 133
2143 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
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E--> 2147 Met Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Gln Arg Arg Cys-PEG
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2159 <222> LOCATION: (1)..(31)
2160 <223> OTHER INFORMATION: PEG is polyethylene glycol
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2164 His Ser Asp Ala Val Phe Thr Asp Gln Tyr Thr Arg Leu Arg Lys Gln
2165 1 5 10 15
E--> 2168 Met Ala Ala Lys Lys Tyr Leu Gln Ser Ile Lys Gln Lys Ala Cys-PEG
2169 20 25 30

VERIFICATION SUMMARY

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PATENT APPLICATION: US/10/618,126

TIME: 13:36:20

Input Set : A:\MSB-7295.ST25.txt

Output Set: N:\CRF4\07282003\J618126.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:52 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:52 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:53 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2
L:628 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:628 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:629 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:40
L:1204 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1204 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:1205 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:78
L:1769 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1786 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1786 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:1787 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:116
L:1790 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1811 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1832 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1853 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1874 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1895 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1916 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1937 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1958 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:1979 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2000 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2021 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2042 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2063 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2084 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2105 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2126 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2147 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2168 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2189 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2210 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2231 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2252 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2273 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2294 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2315 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2336 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2357 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2378 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2399 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2420 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2441 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:2462 M:333 E: Wrong sequence grouping, Amino acids not in groups!

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Input Set : A:\MSB-7295.ST25.txt

Output Set: N:\CRF4\07282003\J618126.raw

L:2483 M:333 E: Wrong sequence grouping, Amino acids not in groups!

L:2504 M:333 E: Wrong sequence grouping, Amino acids not in groups!

L:2525 M:333 E: Wrong sequence grouping, Amino acids not in groups!

L:2546 M:333 E: Wrong sequence grouping, Amino acids not in groups!